Docket Number (Optional) Application Number 15082 To be assigned Applicant(s) INFORMATION DISCLOSURE CITATION Hiroshi Miyajima, et al. (Use several sheets if necessary) Filing Date Group Art Unit Herewith Unassigned **U.S. PATENT DOCUMENTS EXAMINER** FILING DATE REF DOCUMENT NUMBER DATE NAME CLASS SUBCLASS INITIAL IF APPROPRIATE 6,122,089 9/19/00 Minamoto et al. 198 359

FOREIGN PATENT DOCUMENTS REF DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS Translation YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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DATE CONSIDERED

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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L)SA		5,748,172	5/5/1998	Song et al.		345	345 111					
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		WO 00/50950	8/31/2000	PCT_								
DSa		EP 1 087 248 A1	3/28/2001	ЕРО		G02B	26/10					
LVA.		0 686 863 A1	12/13/1995	ЕРО		GO2B	26/10					
L)SA		EP 0 778 657 A1	6/11/1997	ЕРО		HOZK	33/18					
y 1_2: - E												
	•			OTHER I	OOCUMENTS (Include	ding Author, Title,	Date, Pertinent Pa	ges, Etc.)	•			
		Patent Abstract of Jap	an Publication No.	62210418	, published Septembe	r 16, 1987						
DSa				•	,							
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